

ABSTRACT

The present invention relates to a color cathode ray tube and more specifically to a color cathode ray tube having a panel structure which provide characteristic of explosion proof while cutting down on expences and weight.

5 A cathode ray tube according to an embodiment 1 of the present invention comprising: a panel having an effective screen; a funnel connected to the panel; and an electron gun to generate electron beams; wherein said effective screen has a horizontal and vertical ratio of 16:9; and said panel satisfies a condition:
10 $[(\Delta y/d) \times 100] \leq 5.65$, wherein d is length from a central point G to a diagonal vertex E of said effective screen, and Δy is length from a point H to an intersection point of the outline of the panel and the shorter axis Y, the point H being intersection of shorter axis Y and a longer side of said effective screen.